SRM 06/12

kV dependent max mA values for exposure times ≤ 100ms in combination with Optimus 50kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40	250000	650000	70	485110	650000	**100**	**350000**	**500000**	130	269230	384615
41	257837	650000	71	492957	650000	101	346534	495049	131	267175	381679
42	265674	650000	72	486111	650000	102	343137	490196	132	265151	378787
43	273511	650000	73	479452	650000	103	339805	485436	133	263157	375939
44	281348	650000	74	472972	650000	104	336538	480769	134	261194	373134
45	289185	650000	75	466666	650000	105	333333	476190	135	259259	370370
46	297022	650000	76	460526	650000	106	330188	471698	136	257352	367647
47	304859	650000	77	454545	649350	107	327102	467289	137	255474	364963
48	312696	650000	78	448717	641025	108	324074	462962	138	253623	362318
49	320533	650000	79	443037	632911	109	321100	458715	139	251798	359712
50	328370	650000	80	437500	625000	110	318181	454545	140	250000	357142
51	336207	650000	81	432098	617283	111	315315	450450	141	248226	354609
52	344044	650000	82	426829	609756	112	312500	446428	142	246478	352112
53	351881	650000	83	421686	602409	113	309734	442477	143	244755	349650
54	359718	650000	84	416666	595238	114	307017	438596	144	243055	347222
55	367555	650000	85	411764	588235	115	304347	434782	145	241379	344827
56	375392	650000	86	406976	581395	116	301724	431034	146	239726	342465
57	383229	650000	87	402298	574712	117	299145	427350	147	238095	340136
58	391066	650000	88	397727	568181	118	296610	423728	148	236486	337837
59	398903	650000	89	393258	561797	119	294117	420168	149	234899	335570
60	406740	650000	90	388888	555555	120	291666	416666	150	233333	333333
61	414577	650000	91	384615	549450	121	289256	413223			
	422414	650000	92	380434	543478	122	286885	409836			
	430251	650000	93	376344	537634	123	284552	406504			
	438088	650000	94	372340	531914	124	282258	403225			
	445925	650000	95	368421	526315	125	280000	400000			
	453762	650000	96	364583	520833	126	277777	396825			
	461599	650000	97	360824	515463	127	275590	393700			
	469436	650000	98	357142	510204	128	273437	390625			
	477273	650000	99	353535	505050	129	271317	387596			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max; Optimus 65kW = 900mA max) or if the filament does not have its full emission anymore (e.g. from shorted filament loops).
The red marked emission current values (at 71kV SF and 40kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.